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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Todd M. Hess et al.

Assignee: ABB Automation Inc. and ABB AG

For: SYSTEM AND METHOD FOR DYNAMIC MODELING, PARAMETER
ESTIMATION AND OPTIMIZATION FOR PROCESSES HAVING
OPERATING TARGETS

Serial No.: 09/639,543

Group Art Unit: 2128

Filed: 8/16/2000

Examiner: Hugh M. Jones

Docket No.: E005650

Patent No.: 6,816,822 *B1*

Issue Date: 11/9/2004

CERTIFICATE OF CORRECTION UNDER 35 U.S.C §254

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. BOX 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Certificate
DEC 08 2004
of Correction

Enclosed herewith please find a Certificate of Correction (Form PTO/SB/44) for Patent No. 6,816,822, which adds Fred W. Czubba as one of the listed inventors. Also enclosed herewith is a copy of a Combined Declaration and Power of Attorney (CDPOA) that was filed for the Patent No. 6,816,822. The CDPOA identifies Fred W. Czubba as being one of the inventors and includes his signature. Accordingly, Applicant submits that the failure to list Fred W. Czubba as one of the inventors occurred as a result of the error of the Office. Pursuant to 35 U.S.C §254, Applicant hereby requests that the enclosed Certificate of Correction be entered into the records for U.S. Patent No. 6,816,822, without charge.

14 DEC 2004

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 050877.

Respectfully submitted,

By: 
Paul R. Katterle, Reg. No. 36563

December 1, 2004

c/o ABB Inc.
29801 Euclid Avenue-4U6
Wickliffe, Ohio 44092-2530
(440) 585-7968

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on the date indicated below.


Signature of Person Mailing Paper

December 1, 2004 Debra Rietze
Date Printed Name of Person Mailing Paper

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,816,822 *B1*
DATED : November 9, 2004
INVENTOR(S) : Todd M. Hess et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the first page, under "Inventors", insert: "Fred W. Czubba,
Brick, New Jersey (US)"

MAILING ADDRESS OF SENDER:

PATENT NO. 6,816,822 *B1*

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

14 DEC 2004



PATENT

Attorney's Docket: E005650

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,
DIVISIONAL, CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
☐ design
☐ supplemental

INVENTORSHIP IDENTIFICATION

WARNING: *If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION:

**SYSTEM AND METHOD FOR DYNAMIC MODELING, PARAMETER ESTIMATION AND OPTIMIZATION FOR
PROCESSES HAVING OPERATING TARGETS**

SPECIFICATION IDENTIFICATION



the specification of which: (complete (a), (b) or (c))

- (a) ☒ is attached hereto.
- (b) ☐ was filed on _____ as _____ Serial No. 08/_____ or _____ Express Mail No., as
Serial No. not yet known _____ and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☐ was described and claimed in PCT International Application No. _____ filed on
_____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS
AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

- ☒ which is material to patentability as defined in 37 CFR 1.56

(also check the following items, if desired)

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ in compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

10841 U.S. PTO
09/639543
08/15/00

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows:

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(List name and registration number)*

Michael M. Rickin
26,984

(check the following item, if applicable)

- ☒ Attached as part of this declaration and power of attorney is the authorization of the above named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Michael M. Rickin, Esq.
ABB Automation Inc.
Legal Department - 4U6
29801 Euclid Avenue
Wickliffe, OH 44092-1898

DIRECT TELEPHONE CALLS TO

Michael M. Rickin, Esq.
(440) 585-7840

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

FULL NAME OF FIRST INVENTOR

Todd
(GIVEN NAME)

M.
(MIDDLE INITIAL OR NAME)

Hess
FAMILY (OR LAST NAME)

Inventor's signature 

Date: 8/7/00

Country of Citizenship: United States of America

Residence: 18330 Hearthstone Lane, Chagrin Falls, Ohio 44023

Post Office Address same as above

FULL NAME OF SECOND INVENTOR

Martyn
(GIVEN NAME)

Glenn
(MIDDLE INITIAL OR NAME)

Richards
FAMILY (OR LAST NAME)

Inventor's signature 

Date: 8/7/00

Country of Citizenship: New Zealand

Residence: 99 Parkway Drive, North Chili, New York 14514

Post Office Address same as above

ADDITIONAL SIGNATURES ON FOLLOWING PAGES

FULL NAME OF THIRD INVENTOR

Andreas

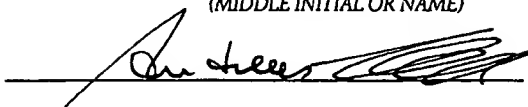
(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

Kroll

FAMILY (OR LAST NAME)

Inventor's signature



Date: 3 - August - 2000

Country of Citizenship: Germany

Residence: Rottmannstrasse 11, D-69121 Heidelberg

ADDITIONAL SIGNATURE ON FOLLOWING PAGE

FULL NAME OF FOURTH INVENTOR

Fred
(GIVEN NAME)

W.
(MIDDLE INITIAL OR NAME)

Czubba
FAMILY (OR LAST NAME)

Inventor's signature 

Date: 8/11/00

Country of Citizenship: United States of America

Residence: 33 Diane Drive, Brick, New Jersey 08724

Post Office Address same as above

☒ This declaration ends with this page